nal Application No PCT/EP2004/009351

A.	CLAS	SSIFICA	TION	OF SI	JBJECT	MATTER	
IF	C 7	7 B	01J	19/	00		

According to International Patent Classification (IPC) or to both national classification and IPC

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with indication, where appropriate, of the relevant pass	ages Relevant to daim No.
x	WO 95/11755 A (BEATTIE KENNETH L ;HOUS ADVANCED RES CENTER (US)) 4 May 1995 (1995-05-04) abstract page 7, line 23 - page 9, line 20 page 14, line 6 - page 15, line 19 page 17, line 15 - line 28 page 19, line 15 - page 20, line 7; claims; figures	TON 1,2,5-24
X .	WO 01/87484 A (MILLIPORE CORP) 22 November 2001 (2001-11-22) abstract page 1, paragraph 1 page 5, last paragraph - page 9, parag 5; figures	1,2,6, 9-24 raph
X Furt	her documents are listed in the continuation of box C.	Patent family members are listed in annex.
*A* documer consider *E* earlier filing of *L* documer which citatio *O* documer other	ent defining the general state of the art which is not cited fered to be of particular relevance inveit document but published on or after the international state can ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another or or other special reason (as specified) "Y" document referring to an oral disclosure, use, exhibition or means	document published after the international filing date foray date and not in conflict with the application but to understand the principle or theory underlying the nition ment of particular relevance; the claimed Invention to be considered novel or cannot be considered to we an inventive step when the document is taken alone ment of particular relevance; the claimed Invention to be considered to involve an inventive step when the unent is combined with one or more other such docules, such combination being obvious to a person skilled e art.

"&" document member of the same patent family

21/12/2004

Nazario, L

Authorized officer

Date of mailing of the International search report

Form PCT/ISA/210 (second sheet) (January 2004)

Name and mailing address of the ISA

document published prior to the international filing date but later than the priority date claimed

European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016

Date of the actual completion of the international search

13 December 2004

Intermal Application No PCT/EP2004/009351

C (Continue	etion) DOCUMENTS CONSIDERED TO BE RELEVANT	PCT/EP2004/009351
Category *	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/034026 A (BIOCEPT INC; HAHN SOONKAP (US); ROYCROFT PAT (US); TSINBERG PAVEL) 24 April 2003 (2003-04-24) abstract page 2, line 34 - page 4, line 6 page 5, line 8 - page 6, line 25; claims; figures	1,2,5-24
X	WO 03/052420 A (HRYCYNA CHRISTINE A; LEE GIL U (US); SZLEIFER IGAL (US); BASARAN OSMA) 26 June 2003 (2003-06-26) abstract page 2, line 10 - line 19 page 8, line 22 - page 9, line 22 page 17, line 15 - page 20, line 30; figure 5	1,2,5-24
A	US 6 225 131 B1 (MARIA KREUWEL HERMANUS JOHANNE ET AL) 1 May 2001 (2001-05-01) abstract column 2, line 30 - column 7, line 30	
A	EP 1 251 352 A (NISSHIN SPINNING) 23 October 2002 (2002-10-23) abstract page 2, line 42 - page 8, line 20; figures	
E	WO 2004/089532 A (PLACHOV DIMITRIJ; GAVRUSHKIN ALEXANDER (RU)) 21 October 2004 (2004-10-21) page 3, line 12 - page 4, line 5 page 7, line 31 - page 8, line 24; figure 2	1,2,5-24
X	WO 01/19502 A (FOLEY BRIAN ;MILLIPORE CORP (US)) 22 March 2001 (2001-03-22) abstract page 4, line 7 - page 6, line 23 page 8, line 1 - page 9, line 22; figures	3-24
X	US 5 980 709 A (BECK THOMAS WILLIAM ET AL) 9 November 1999 (1999-11-09) abstract column 2, line 10 - column 3, line 2 column 3, line 31 - column 4, line 20; figures	3-24
A	US 2003/113528 A1 (MOYA WILSON) 19 June 2003 (2003-06-19) paragraph '0009! - paragraph '0019! paragraph '0032! - paragraph '0037! paragraph '0041! paragraph '0059!; figures; examples	
:	-/	

Intermal Application No
PCT/EP2004/009351

		PCT/EP2004/009351			
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT				
ategory *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
A	WO 01/12846 A (PAMGENE B V ; VENEMA F (NL)) 22 February 2001 (2001-02-22) the whole document				
A	US 5 639 603 A (NEEDELS MICHAEL C ET AL) 17 June 1997 (1997-06-17) column 42, line 11 - column 44, line 53 example 1				
A	KHAN J ET AL: "EXPRESSION PROFILING IN CANCER USING CDNA MICROARRAYS" ELECTROPHORESIS, WEINHEIM, DE, vol. 20, no. 2, February 1999 (1999-02), pages 223-229, XP008002229 ISSN: 0173-0835 figures				
,					
	·				



Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.:     because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.:     because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This international Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. X As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1, 2, 5-10 (all in part), 11-13, 14-17 (all in part), 18, 19-24 (all in part)

Independent claim 1 relate to systems comprising a porous reaction substrate having a flat top and bottom surface in which the diameter of the pores is comprised between 10 micron and 10 nm and further comprising a first rigid support member bonded to the porous layer. This latter component comprises holes extending through the whole layer.

2. claims: 3, 4, 5-10(all in part), 11-13, 14-17 (all in part), 18,19-24 (all in part)

Independent claims 3 and relate to systems comprising a porous reaction substrate having a flat top and bottom surface in which the diameter of the pores is comprised between 10 micron and 10 nm. Some of the pores of the substrate are masked by filling them with a masking polymer so as to form borders of the reactor zones.

nformation on patent family members

Introduced Application No
PCT/EP2004/009351

			PCT/EP2004/009351		
Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9511755	A	04-05-1995	AT	214633 T	15-04-2002
			ΑÚ	700315 82	24-12-1998
			AU	1043595 A	22-05-1999
			CA	2174140 A1	04-05-199
			DE	69430207 D1	25-04-2002
			DE	69430207 T2	
					19-09-2002
			DK	725682 T3	15-07-2002
			EP	1157743 A1	28-11-200
			EP	0725682 A1	14-08-1990
			ES	2176308 T3	01-12-2002
			JP	9504864 T	13-05-1997
			JP	3488465 B2	19-01-2004
			PT	725682 T	30-09-2002
		,	WO	9511755 Al	04-05-1999
			US	2003044777 A1	06-03-2003
			US	5843767 A	01-12-1998
WO 0187484	Α	22-11-2001	EP	1284816 A2	26-02-2003
			WO	0187484 A2	22-11-200
			US	2003062302 A1	03-04-2003
			US	2001042710 A1	22-11-200
WO 03034026	Α	24-04-2003	EP	1444500 A2	11-08-200
			WO	03034026 A2	24-04-200
			US 	2004191891 A1	30-09-200
WO 03052420	A	26-06-2003	WO	03052420 A2	26-06-200
US 6225131	B1	01-05-2001	AT	199663 T	15-03-200
			AU	724382 B2	21-09-200
			ΑU	8863298 A	08-02-1999
			CA	2290945 A1	21-01-1999
			DE	69800595 D1	19-04-200
			DE	69800595 T2	18-10-200
			DK	975427 T3	09-07-200
			WO	9902266 A1	21-01-199
			ΕP	1050588 A1	08-11-200
	•		ĒΡ	0975427 A1	02-02-200
			ES	2157669 T3	16-08-200
			GR	3036010 T3	28-09-200
			JP	3208390 B2	10-09-200
			JP	2000515251 T	14-11-200
			PT	975427 T	30-08-200
			US	2002102565 A1	01-08-200
			UŞ	2002127738 A1	12-09-200
			US	2002164584 A1	07-11-200
EP 1251352	Α	23-10-2002	JP	2002357604 A	13-12-200
			CA	2382246 A1	17-10-200
			EP	1251352 A2	23-10-200
			ūs	2004161744 A1	19-08-200
WO 2004089532	Α	21-10-2004	DE	10316689 A1	28-10-200
200 100,002	••		WO	2004089532 A1	21-10-200
				1214139 A2	19-06-200
WO 0119502	Δ	22-03-2001	-		
WO 0119502	A	22-03-2001	EP		
WO 0119502	A	22-03-2001	WO US	0119502 A2 2003113528 A1	22-03-200 19-06-200

Form PCT/ISA/210 (patent family annex) (January 2004)

# INTERNATIONAL SEARCH REPORT Information on patent family members

Interponal Application No PCT/EP2004/009351

				PCT/EP20	PCT/EP2004/009351	
Patent document cited in search report		Publication date		Patent family member(s)	Publication date	
US 5980709	A	09-11-1999	AU AU WO CA CN	693678 B2 5260696 A 9632635 A1 2216911 A1 1423124 A	02-07-1998 30-10-1996 17-10-1996 17-10-1996 11-06-2003	
			CN EP JP	1181811 A 0820586 A1 11503826 T	13-05-1998 28-01-1998 30-03-1999	
US 2003113528	A1	19-06-2003	US DE EP	2003098121 A1 60012758 D1 1214141 A2	29-05-2003 09-09-2004 19-06-2002	
			WO US	0119504 A2 6627291 B1	22-03-2001 30-09-2003	
			EP WO EP	1214139 A2 0119502 A2 1216089 A2	19-06-2002 22-03-2001 26-06-2002	
	. <u>.</u>		JP WO	2003509232 T 0119505 A2	11-03-2003 22-03-2001	
WO 0112846	A	22-02-2001	AU AU Ca	767709 B2 7274100 A 2378717 A1	20-11-2003 13-03-2001 22-02-2001	
			WO Ep	0112846 A1 1206579 A1	22-02-2001 22-05-2002	
US 5639603	Α	17-06-1997	JP  US	2003507695 T 5770358 A	25-02-2003 	
			AU AU BR	703472 B2 1128095 A 9407947 A	25-03-1999 23-05-1995 26-11-1996	
			CA CN EP	2175587 A1 1134156 A 0726906 A1	11-05-1995 23-10-1996 21-08-1996	
			GB JP NZ	2298863 A ,B 9508353 T 276860 A	18-09-1996 26-08-1997 22-09-1997	
			WO US	9512608 A1 6165778 A	11-05-1995 26-12-2000	
			US US AT	6140493 A 6416949 B1 148889 T	31-10-2000 09-07-2002 15-02-1997	
			AU AU CA	669489 B2 2661992 A 2118806 A1	13-06-1996 27-04-1993 01-04-1993	
			DE DE DK	69217497 D1 69217497 T2 604552 T3	27-03-1997 12-06-1997	
			EP Ep	0604552 A1 0773227 A1	04-08-1997 06-07-1994 14-05-1997	
			ES GR JP	2097925 T3 3023156 T3 2001524926 T	16-04-1997 30-07-1997 04-12-2001	
			US US WO	6143497 A 6165717 A 9306121 A1	07-11-2000 26-12-2000 01-04-1993	
			US US	5789162 A 5708153 A	01-04-1993 04-08-1998 13-01-1998	